Docket No. R.307294

Preliminary Amdt.

**AMENDMENTS TO THE CLAIMS:** 

This listing of claims will replace all prior versions, and listings, of claims in the

application:

**Listing of Claims:** 

Claims 1-9. (Canceled)

10. (New) An injection nozzle for an internal combustion engine, in particular in a motor

vehicle, comprising

a nozzle needle or a needle unit including a nozzle needle for controlling an injection

of fuel through at least one injection orifice

an actuator for driving a coupling piston,

the nozzle needle or needle unit having a control surface that at least partially delimits

a control chamber,

means providing communication between the control chamber and a coupling

chamber at least partially delimited by the coupling chamber

the control surface being situated at the end of the nozzle needle or nozzle unit

oriented away from the at least one injection orifice, and

the actuator driving the coupling piston to open the nozzle needle in such a way that a

volume of the coupling chamber increases.

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11. (New) The injection nozzle according to claim 10, wherein the coupling piston at least

partially delimits the coupling chamber on a side closer to the at least one injection orifice.

12. (New) The injection nozzle according to claim 10, wherein the coupling piston is

supported so that it can execute a stroke motion in a cylindrical chamber, and wherein

the cylindrical chamber is contained in an insert piece that is situated axially between

the actuator and the nozzle needle or needle unit.

13. (New) The injection nozzle according to claim 11, wherein the coupling piston is

supported so that it can execute a stroke motion in a cylindrical chamber, and wherein

the cylindrical chamber is contained in an insert piece that is situated axially between

the actuator and the nozzle needle or needle unit.

14. (New) The injection nozzle according to claim 12, further comprising a return spring

contained in the cylindrical chamber and resting against the coupling piston at one end and

against a bottom of the cylindrical chamber at the other.

15. (New) The injection nozzle according to claim 13, further comprising a return spring

contained in the cylindrical chamber and resting against the coupling piston at one end and

against a bottom of the cylindrical chamber at the other.

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16. (New) The injection nozzle according to claim 12, further comprising a connecting path contained in the insert piece and connecting the control chamber to the coupling chamber.

17. (New) The injection nozzle according to claim 13, further comprising a connecting path contained in the insert piece and connecting the control chamber to the coupling chamber.

18. (New) The injection nozzle according to claim 14, further comprising a connecting path contained in the insert piece and connecting the control chamber to the coupling chamber.

19. (New) The injection nozzle according to claim 15, further comprising a connecting path contained in the insert piece and connecting the control chamber to the coupling chamber.

- 20. (New) The injection nozzle according to claim 10, wherein the actuator drives the coupling piston via a piston rod, which passes through the coupling chamber until reaching the coupling piston and whose outer cross-section exposed to the coupling chamber is smaller than the outer cross-section of the coupling piston exposed to the coupling chamber.
- 21. (New) The injection nozzle according to claim 11, wherein the actuator drives the coupling piston via a piston rod, which passes through the coupling chamber until reaching the coupling piston and whose outer cross-section exposed to the coupling chamber is smaller than the outer cross-section of the coupling piston exposed to the coupling chamber.

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22. (New) The injection nozzle according to claim 12, wherein the actuator drives the coupling piston via a piston rod, which passes through the coupling chamber until reaching the coupling piston and whose outer cross-section exposed to the coupling chamber is smaller than the outer cross-section of the coupling piston exposed to the coupling chamber.

- 23. (New) The injection nozzle according to claim 14, wherein the actuator drives the coupling piston via a piston rod, which passes through the coupling chamber until reaching the coupling piston and whose outer cross-section exposed to the coupling chamber is smaller than the outer cross-section of the coupling piston exposed to the coupling chamber.
- 24. (New) The injection nozzle according to claim 16, wherein the actuator drives the coupling piston via a piston rod, which passes through the coupling chamber until reaching the coupling piston and whose outer cross-section exposed to the coupling chamber is smaller than the outer cross-section of the coupling piston exposed to the coupling chamber.
- 25. (New) The injection nozzle according to claim 12, wherein the actuator drives the coupling piston via a piston rod, which passes through the coupling chamber until reaching the coupling piston and whose outer cross-section exposed to the coupling chamber is smaller than the outer cross-section of the coupling piston exposed to the coupling chamber, and wherein the coupling chamber is situated axially between the insert piece and a sealing plate through which the piston rod centrally passes.

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26. (New) The injection nozzle according to claim 25, wherein the sealing plate rests axially

against the insert piece and/or an additional return spring rests against the sealing plate and

also rests directly or indirectly against the actuator.

27. (New) The injection nozzle according to claim 10, further comprising a connecting path

connecting the control chamber to the coupling chamber, the connecting path being axially

and centrally connected to the control chamber.

28. (New) The injection nozzle according to claim 11, further comprising a connecting path

connecting the control chamber to the coupling chamber, the connecting path being axially

and centrally connected to the control chamber.

29. (New) The injection nozzle according to claim 12, further comprising a connecting path

connecting the control chamber to the coupling chamber, the connecting path being axially

and centrally connected to the control chamber.